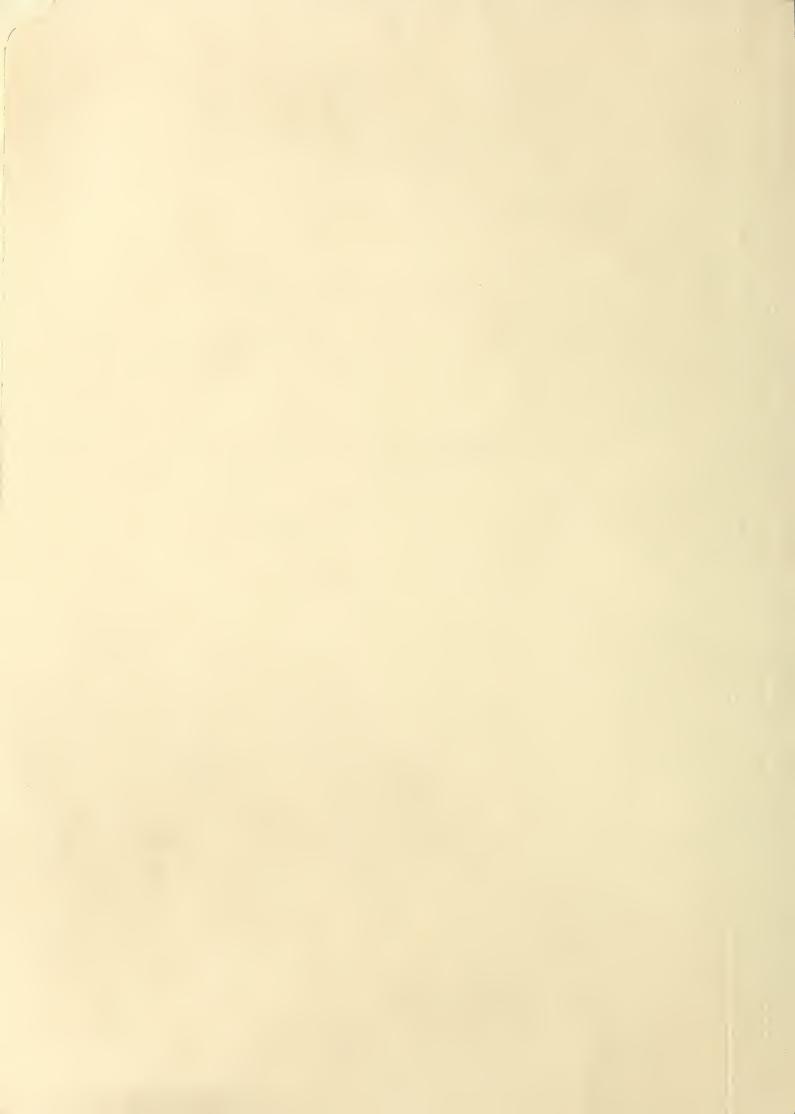
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Do not assume content reflects current scientific knowledge, policies, or practices.





WATER SUPPLY OUTLOOK FOR ARIZONA, SOURCE OF THE PERSONAL PROPERTY OF TH

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Prepared by

Collaborating with

SALT RIVER VALLEY WATER USERS ASSOCIATION and ARIZONA AGRICULTURAL EXPERIMENT STATION

Data included in this report were obtained by the agencies named above in cooperation with the Federal, State and private organizations listed on the last page of this report. FEB. 1, 1971

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbis Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	Room 345, 304 N. 8th. St., Boise , Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

CONSERVATION OF WATE BEGINS WITH THE SNOW SURVEY

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources, Service, Parliament Building, Victoria, British Columbia

WATER SUPPLY OUTLOOK FOR ARIZONA

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT

ADMINISTRATOR SOIL CONSERVATION SERVICE WASHINGTON, D.C.

Released by

MARION E. STRONG

STATE CONSERVATIONIST SOIL CONSERVATION SERVICE PHOENIX, ARIZONA

In Cooperation with

RICHARD K. FREVERT

DIRECTOR EXPERIMENT STATION FLOYD N. SMITH

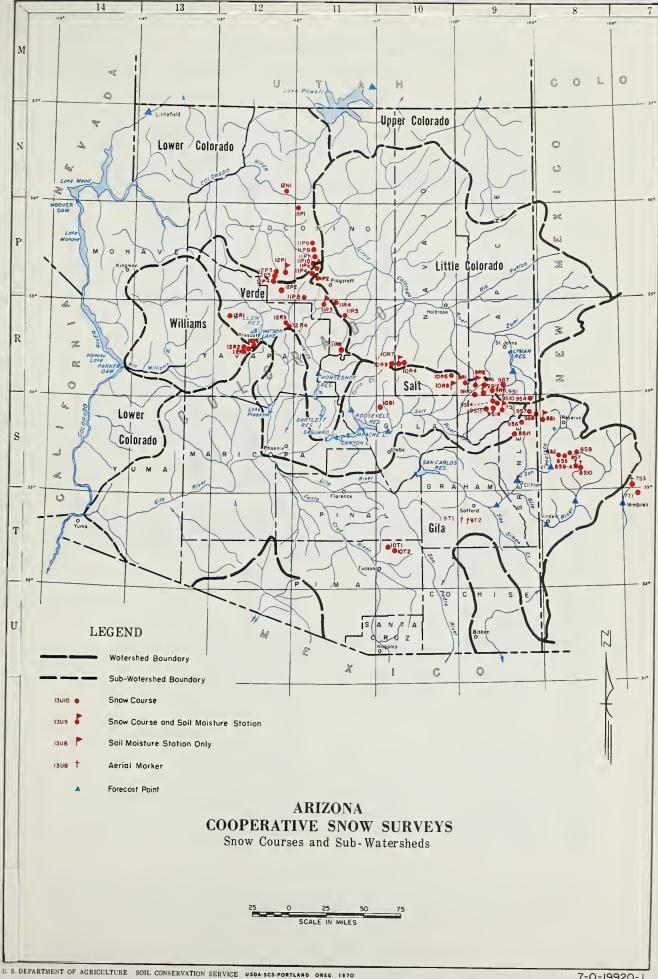
PRESIDENT ARIZONA AGRICULTURAL SALT RIVER VALLEY WATER USERS ASSOCIATION

Report prepared by

RICHARD W. ENZ, Snow Survey Supervisor

SOIL CONSERVATION SERVICE ROOM 6029 FEDERAL BUILDING PHOENIX, ARIZONA 85025





INDEX to SNOW COURSES and SOIL MOISTURE STATIONS

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.	DRAINAGE	OBSERVER
11P10-A	Agassiz	32	23N	7E	11200	Little Colorado	SCS-USBR
11R6 9S1-A 9S15 9S16 10T1 9S6 12P5 12P4 9S10-*	Baker Butte (p) Baldy (p) Baldy #2 Baldy #3 Bear Wallow Beaver Head Bill Williams Intermediate Bill Williams Summit Black River Oivide Bright Angel	4 28 12 13 6 13 17 17 10 34	12N 7N 6N 6N 12S 4N 21N 21N 6N 33N	9E 27E 26E 26E 16E 30E 2E 2E 27E 3E	7300 9125 9750 10950 8100 8000 8550 8950 9400 8400	Verde Little Colorado Little Colorado Little Colorado Gila San Francisco Cataract Verde Salt Bright Angel Creek	SCS SCS-FS SCS-FS FS Pvt-SRP FS FS SCS NPS
12R1 10R7-M 10R9 12P1-M 9R7 12R6 10R8-* 9S7 9T2-A	Camp Wood Canyon Creek #2 Canyon Point (p) Chalender Cheese Springs Copper Basin Oivide (p) Corduroy Creek Coronado Trail Crazy Horse	3 18 28 27 28 23 4 26 34	16N 11N 11N 22N 8N 13N 8N 5N	6W 15E 14E 3E 27E 3W 21E 30E 24E	5700 7500 7600 7100 8600 6720 6000 8000 10200	Verde Little Colorado Salt Verde Little Colorado Verde Salt San Francisco Gila	FS SCS SCS FS SCS SCS FS FS
7T1	Emory Pass #1	16	16S	9W**	7800	Mimbres	SCS
7T2	Emory Pass #2	16	16S	9W**	7800	Mimbres	SCS
10R6	Forest Oale	2	9N	21E	6430	Salt	BIA
9R5	Ft. Apache	18	7N	27E	9160	Little Colorado	SCS
11P2	Ft. Valley (p)	22	22N	6E	7350	Little Colorado	FS
8S1-M	Frisco Oivide	31	6S	20W**	8000	San Francisco	FS
12R4	Gaddes Canyon	11	15N	2E	7600	Verde	Pvt
11P1	Grand Canyon	21	30N	4E	7500	Hance Creek	NPS
9S11	Hannagan Meadows (p)	19	3N	29E	9090	San Francisco	Pvt
11R5	Happy Jack	30	17N	9E	7630	Verde	FS
9R10	Hawley Lake	13	7N	24E	8300	Salt	BIA
10R4	Heber (p)	28	11N	15E	7600	Little Colorado	SCS
9T1-A	High Peak	34	8S	24E	10500	Gila	FS
8S9-A	Hummingbird	19	11S	17W**	10550	Gila	Pvt-SCS
8S6	Ice King	6	11S	18W**	8020	San Francisco	Pvt-SCS
11P9	Inner Basin #1 (p)	28	23N	7E	10000	Little Colorado	SCS-USBR
11P8	Inner Basin #2 (p)	28	23N	7E	9750	Little Colorado	SCS-USBR
11P7	Inner Basin #3	3	23N	7E	10250	Little Colorado	SCS-USBR
12R2	Iron Springs	22	23N	3W	6200	Bill Williams	SCS
9S2-A 7S3-A 9R2-M 9R1 12R3 8S2 11R4 11R3-M-A 9S12-A	Maverick Fork (p) McKnight Cabin McNary Milk Ranch Mingus Mountain Mogollon Mormon Lake Mormon Mountain (p) Mt. Ord	13 10 23 33 3 2 13 14 4	6N 15S 8N 8N 15N 11S 18N 6N	27E 10W** 23E 23E 2E 19W** 8E 8E 26E	9150 9300 7200 7000 7100 7000 7350 7500 11200	Salt Mimbres Salt Salt Verde San Francisco Little Colorado Verde Salt	SCS Pvt-SCS BIA BIA Pvt Pvt SCS SCS SRP-SCS
11P5-M	Newman Park	25	19N	6E	6 7 50	Verde	SCS
9S4	Nutrioso	23	6N	30E	8500	San Francisco	FS
8S7	Redstone Trail	5	11S	18W**	8600	San Francisco	Pvt
10T2	Rose Canyon	15	12S	16E	7300	Gila	FS
8S8	Silver Creek Divide	4	11S	18W**	9000	San Francisco	Pvt
9S14-A	Smith Cienega	10	6N	26E	10050	Salt	SRP-SCS
11P4	Snow Bowl #1 (p)	36	23N	6E	10260	Verde	FS
11P6	Snow Bowl #2	31	23N	7E	11000	Verde	FS
9S8	State Line	6	6S	21W**	8000	San Francisco	FS
12P2	White Horse Lake Jct.	2	20N	2E	7180	Verde	FS
12R5	White Spar	19	13N	2W	6000	Verde	SCS
8S10-A	Whitewater	19	11S	17W**	10750	Gila	Pvt-SCS
12P3	Williams Ski Run	9	21N	2E	7720	Cataract	FS
9R6	Wilson Lake (p)	4	7N	26E	9000	Salt	SCS
10S1	Workman Creek	33	6N	14E	6900	Salt	FS

M SOIL MOISTURE STA.

A AERIAL SNOW DEPTH MARKER

(p) STORAGE GAGE

* SOIL MOISTURE STA. ONLY

* MM PRINCIPAL MERIDIAN

ARIZONA WATER SUPPLY OUTLOOK

FEBRUARY 1, 1971

SNOW COVER

The snow cover as measured on January 15 has deteriorated greatly due to warm temperatures and complete absence of any additional snowfall. Many snow courses are now bare and some have the lowest snow cover on record. Snow is heaviest on the Verde Watershed where conditions are 50% of normal, and lightest on the Gila where there is only 12%.

PRECIPITATION

No precipitation has occurred since early January when 1 to 1.5" fell in the White Mountains. Elsewhere, much less was received. Both November and December were also much below normal. Winter precipitation ranges from 40% of average on the Gila to 65% on the Verde.

SOIL MOISTURE

The recent warm spell has improved soil moisture on the Salt and Verde Watersheds to the extent that conditions are now above average. On the Gila Watershed, however, soil moisture is very low. Additional precipitation will yield well on the Verde and Salt, but will be mostly absorbed by the soil on the Gila.

RESERVOIR STORAGE

Water storage in the Salt River Project reservoirs is slightly above average for this date, but significantly below that in storage a year ago. Lake Pleasant and Lyman Reservoir contain more than average amounts; while San Carlos storage is down to 12% of average. Storage in the Colorado River reservoirs is 58% of capacity and 65% above the 1953-67 average.

STREAMFLOW AND WATER SUPPLY

Salt River Project streams are expected to flow 40% of average, producing about 200,000 acre-feet of water during the January through May period. This compares to 286,000 acre-feet received last year. The Gila is predicted to flow only one-fourth of normal, substantially less than last year. The Little Colorado River is also expected to produce much less than last year with 17% of average expected.

Water supplies will be adequate on all the major irrigated areas except along the Upper Gila and on the San Carlos Project. Substantial pumping will be required in these areas and irrigated acreage will be less than usual.



ABOUT

STREAMFLOW FORECASTS FEB. 1, 1971		THIS YEA	R	PAST	RECORD
BASIN STREAM and/or FORECAST POINT	FORE		FORECAST	THOUSAND A	
BASIN STREAM and OF PORECAST POINT	Acre Feet	Percent of Average	PERIOD	Last Year	Average +
SALT RIVER DRAINAGE					
Salt near Roosevelt Tonto Creek near Roosevelt Verde River above Horseshoe	98 8.5 95	35 20 55	Jan-May Jan-May Jan-May	162.4 12.8 110.7	280.9 42.6 171.9
GILA RIVER DRAINAGE					
Gila River near Gila Gila River near Solomon Gila River near Virden Frisco River at Clifton Frisco River at Glenwood MIMBRES RIVER DRAINAGE	17 31 17 16 5	37 26 29 27 22	Jan-May Jan-May Jan-May Jan-May Jan-May	29.1 55.3 32.0 28.1 10.0	45.7 119.6 59.3 59.8 22.7
Mimbres River near Mimbres	0.8	24	Jan-May	1.0	2 2
COLORADO RIVER DRAINAGE		24	Jan-May	1.0	3.3
Little Colo. River above Lyman Dam Colorado River Lake Powell Inflow *	1.5	17	Jan-June	6.8	9.0
VIRGIN RIVER DRAINAGE			Apr = Sury	5,220 .0	6527.0
Virgin River nr. Littlefield	43	129	Apr=June	12.7	33.4
GRANITE CREEK DRAINAGE					
Granite Creek Willow Creek	1.1	(00 gas cas	Apr-June Apr-June	00 00 00 00 07 10	
Based on the 15-year period, 1953-67 * Forecast issued by Soil Conservation Service, Salt Lake City, Utah					
	<u>-</u> 2 -				

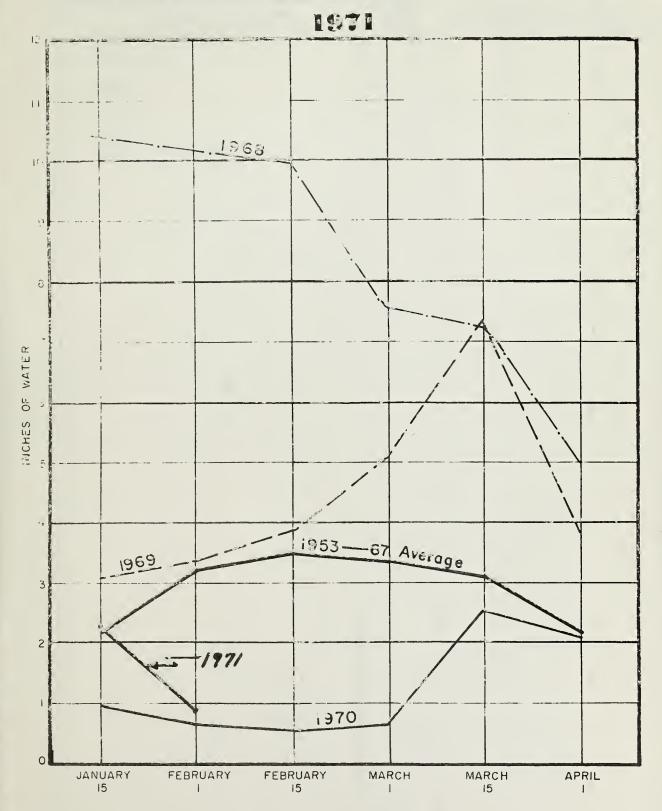


RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH ABOUT REBRUARY 1 1971

		H	OUT FEBRUARY 1, 1971 Usable Storage				
Basin or Stream	RESERVOIR	Usable Capacity	This Year	Last Year	Average†		
GILA RIVER DRAINAGE							
Agua Fria	Lake Pleasant	157.6	76.4	71.3	41.		
Granite	Watson Lake	4.7	1.7	1.3			
Granite	Willow Creek	6.1	1.1	2.3	60 00 00		
Gila	San Carlos	984.6	11.7	197.9	98.		
Verde (2)	Bartlett & Horseshoe	317.7	150.9	91.0	100,		
Salt (4)	Roosevelt, Apache, Canyon & Saguaro	1755.0	951.7	1287.0	929,		
COLORADO RIVER DRAINAGE							
Colorado	Lake Havasu	619.4	544.5	542.5	540.		
Colorado	Lake Mohave	1810.0	1,624.3	1648.0	1674.		
Colorado	Lake Mead	26159.0	16,801.0	16890.0	16599.		
Colorado	Lake Powell	25002,0	12,228.0	9375.0			
Little Colorado	Lyman	30.6	11.6	19.1	9,		
Little Colorado	Show Low Lake	5.1	. 3	0.2	1.		
╊ased on 15-yea * Average is for	er period, 1953-67 less than 15 years	of recor	ī				



RELATIVE SNOW WATER ACCUMULATION ARIZONA



This graph represents the average snow water content on e'even selected soor courses on Arizona Sub-Watersheds.



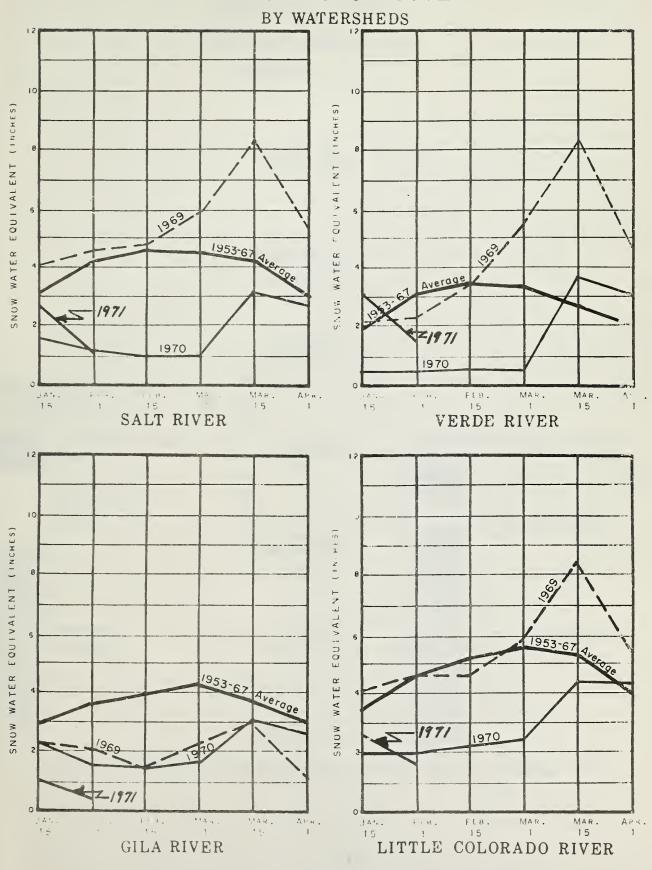
SUMMARY OF SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS

FEBRUARY 1, 1971

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT Last Year Average		
	Averaged	Last Year	Average	
Gila	10	28	12	
Salt	10	105	30	
Verde	10	300	50	
Little Colorado	5	86	38	
	- 5 -			



1971 ARIZONA SNOW COVER





WATER SUPPLY INVENTORY

SALT RIVER VALLEY SYSTEM

FEBRUARY 1, 1971

3,000,000

2,500,000

2,000,000

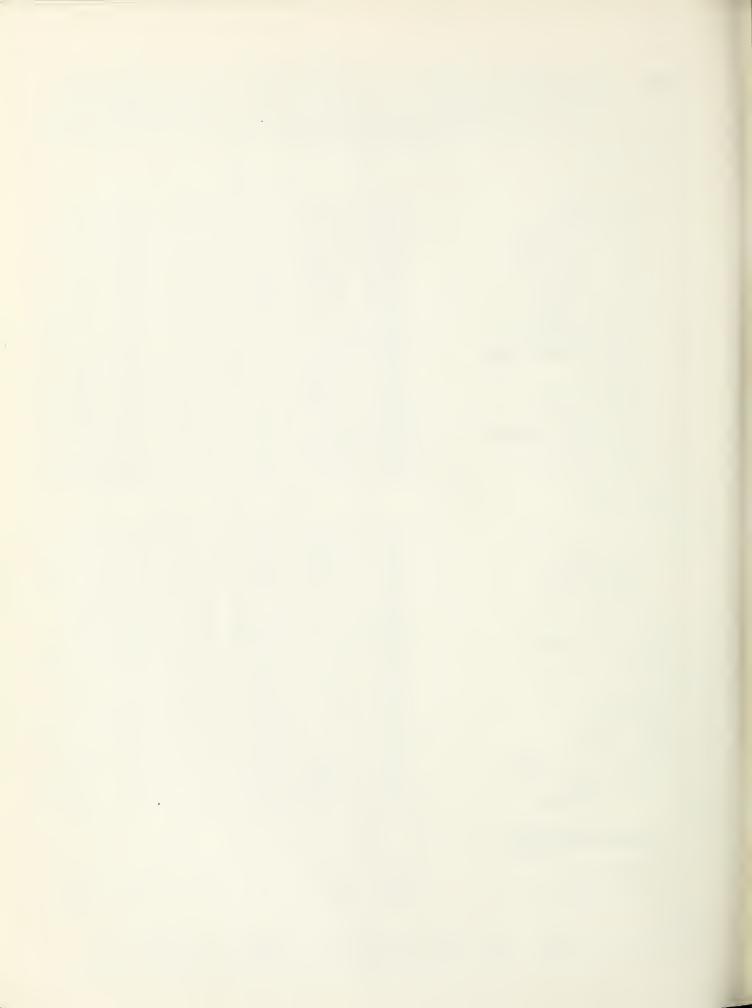
 \vdash AVERAGE SUPPLY ON 口 FEBRUARY 1 囯 ſΙ ANTICIPATED 1971 SUPPLY* Average Summer 1,500,000 Runoff 闰 Average Summer Runoff Average α Spring \circ Forecast Runoff (February-May) Runoff ď 1,000,000 Average Present Storage 500,000 Storage

0

^{*} Based on Present Storage + Forecast Spring Runoff + Average Summer Runoff



W ABOUT FEBRUARY 1, 1971			CD	Water Content	Water Content (inches)		
DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	Date of Survey	Snow Depth (Inches)	(Inches)	Last Year	Average †	
IVA IL							
ILA RIVER							
Bear Wallow	8100		==	c= ==	0.0	4.5	
Beaver Head	8000	1/29	0	0.0	0.3	2.6	
Coronado Trail	8000	1/29	0	0.0	0.0	2.2	
Crazy Horse (A)	10200	3 /00					
Emory Pass #1 *	7800	1/29	0	0.0	0.0	6566	
Emory Pass #2 * Frisco Divide	7800 8000	1/29	0	0.0	0.0	2.1	
Hannagan Meadows *	9090	2/1 1/29	5	0.0	3.9	6.9	
High Peak (A)	10500	1/49	5	1.4	0,9		
Hummingbird (A)	10550	2/1	0	0.0	8.9	9.7	
McKnight Cabin *(A)	9300	2/1	0	0.0	1.8	201	
Mogollon (11)	7000	1/31	0	0.0	0.0	1.4	
Nutrioso	8500	1/29	0	0.0	0.0	1,8	
Redstone Trail	8600	1/31	2	0.7	4.3	6.8	
Rose Canyon	7300	2/1	0	0.0	0.0	2.9	
Silver Creek Divide	9000	1/31	7	2.3	6.5	7.9	
State Line	8000	2/1	0	0.0	0.0	2.4	
Whitewater (A)	10750	2/1	16	4.8	10.4	11.3	
ALT RIVER							
Bold. *	9125	1/29	5	1.3	1.7	5.5	
Baldy * Beaver Head	8000	1/29	0	0.0	0.3	2.6	
Canyon Creek	7500	1/31	2	0.9	0.2	2.9	
Canyon Point	7600	1/31	4	1.5	0.4	3.1	
Coronado Trail	8000	1/29		0.0	0.0	2.2	
Forest Dale	6430	2/1	0	0.0	0.0	1.2	
Ft. Apache	9160	1/29	10	2.1	2.9	5.8	
Hannagan Meadows	9090	1/29	5	1.4	3.9	6.9	
Hawley Lake	8300	2/1	9	3.4	1.5	1	
Heber	7600	1/31	3	1.1	0.5	2.9	
Maverick Fork	9050	1/29		2.2	1.1	6.4	
McNary	7200	2/1	T	0.0	0.0	2.1	
Milk Ranch	7000	2/1	0	0.0	0.0	1.7	
Mt. Ord (A)	11000					13.4	
Nutrioso *	8500	1/29	0	0.0	0.0	1.8	
Smith Cienega (A)	9850	1/29	1	3.7		9.8	
Wilson Lake Workman Creek	9000 6900	1/29	16 11	4.9	5.0	6.8	
WOLKHAII CLEEK	0900	1/20	11	4.0	1.1	4.3	
ILL WILLIAMS RIVER							
Camp Wood *	5700	2/1	0	0.0	0.0	0.8	
Copper Basin Divide	6720	2/1	0	0.0	0.0	1.3	
Iron Springs	6200	2/1	0	0.0	0.0	1.1	
1953-67 15-year period.	(*) Ad-	acent d	rainage	(**)	1953-67		
djusted average. (A) Aer							
3- () 1101		1					

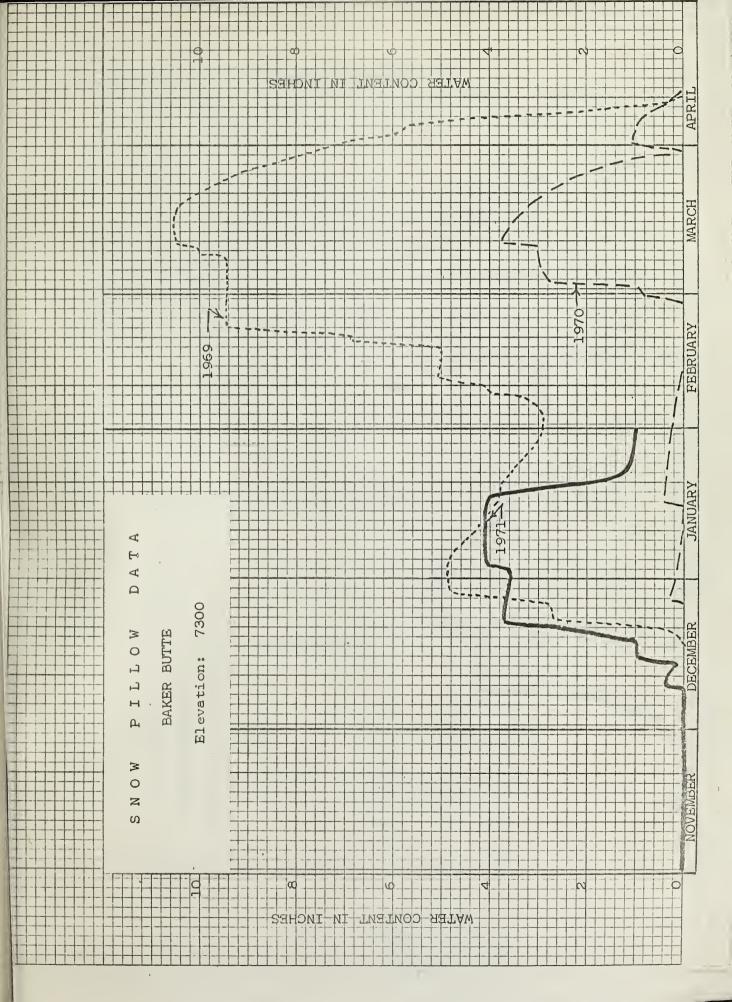


ABOUT FEBRUARY 1, 1971

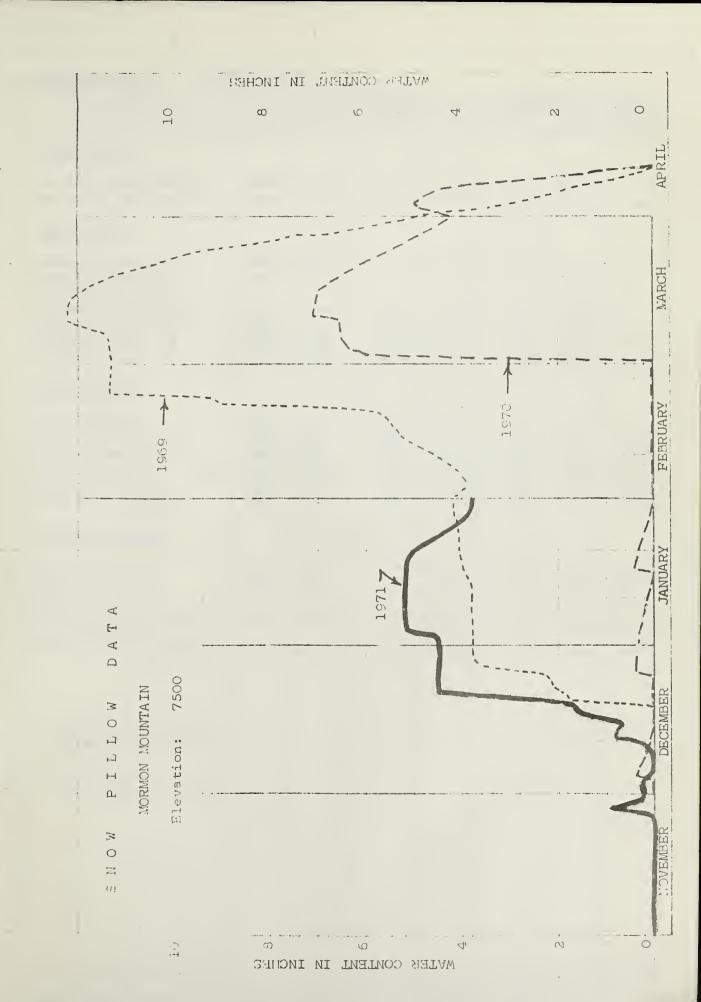
NOW			THIS YEAR	,Y	PAST RECORD		
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content (Inches)	Water Content (inches)		
NAME	Elevation	of Survey	(Inches)	(menes)	Last Year	Average +	
VERDE RIVER							
		- (0.		0.6			
Baker Butte	7300	1/31	6	2.6	0.4	4.7	
Camp Wood	5700	2/1	0	0.0	0.0	0.8	
Chalender	7100	1/31	2	0.4	0.0	2 - 3	
Copper Basin Divide	6720	2/1	0	0.0	0.0	1,3	
Fort Valley	7350	2/1	0	0.0	0.0	1.6	
Gaddes Canyon	7600	1/31	7	3.0	0.0	3.2	
Happy Jack	7630	1/29	T	0.0	0.0	2.3	
Iron Springs *	6200	2/1	0	0.0	0.0	1.1	
Mingus Mountain	7100	1/31	0	0.0	0.0	0.9	
Mormon Lake *	7350	2/1	5	2.0	0.0	3.2	
Mormon Mountain	7500	2/1	6	2.5	0.0	3.8	
Newman Park	6750	2/1	Т	T	0.0	1.9	
Snow Bowl #1	10260	1/28	15	4.8	4.8	7.1	
Snow Bowl #2	11000	1/28	25	6.8	6.6	11.4	
White Horse Lake Jct.	7150	1/29	2	0.3	0.0		
White Spar	6000	2/1	0	0.0	0.0	1.1	
WIII CO Opai	0000	2, 1				± • ±	
OWER COLORADO RIVER							
Bill Williams Intermediat	e 8550	1/29	13	3.7	1.8		
Bill Williams Summit	8950	1/29	15	5.2	3.0		
Bright Angel	8400						
Chalender *	7100	1/31	2	0.4	0.0	2.3	
Fort Valley	7350	2/1	0	0.0	0.0	1.6	
Grand Canyon	7500	1/31	0	0.0	0.0	1.8	
Williams Ski Run	7720	1/29	12	3.3	0.8		
LITTLE COLORADO RIVER							
Agassiz	11200	2/2	30	10.2	13.8		
Baldy	9125	1/29	5.	1.3	1.7	5.5	
Canyon Creek	7500	1/31	2	0.9	0.2	2.9	
Canyon Point	7600	1/31	4	1.5	0.4	3.1	
Cheese Springs	8600	1/29	10	2.0			
Forest Dale	6430	2/1	0	0.0	0.0	1.2	
Ft. Apache	9160	1/29	10	2.1	2.9	5.8	
Fort Valley	7350	2/1	0	0.0		1.6	
Happy Jack *	7630	1/29	T	0.0			
Heber	7600	1/31	3	1.1		2.3	
Inner Basin #1	10100	2/2	18	6.3	0.5	2.9	
Inner Basin #2		2/2	10	3.3	10.9		
Inner Basin #2 Inner Basin #3	9750		2	0.8	5.7		
	10250	2/2	T			0.3	
McNary	7200	2/1		0.0	1	2.1	
Mormon Lake	7350	2/1	5	2.0	1	3.2	
Mormon Mountain	7500	2/1	6	2.5	0.0	3.8	
Nutrieso	8500	1/29	0	0.0		1.8	
Snow Bowl #1	10260	1/28	15	4.8		7.1	
Snow Bowl #2	11000	1/28	25 16	6.8		11.4	
Wilson Lake *	9000				5.0		

Adjusted average. (A) Aerial observation: Water content estimated.









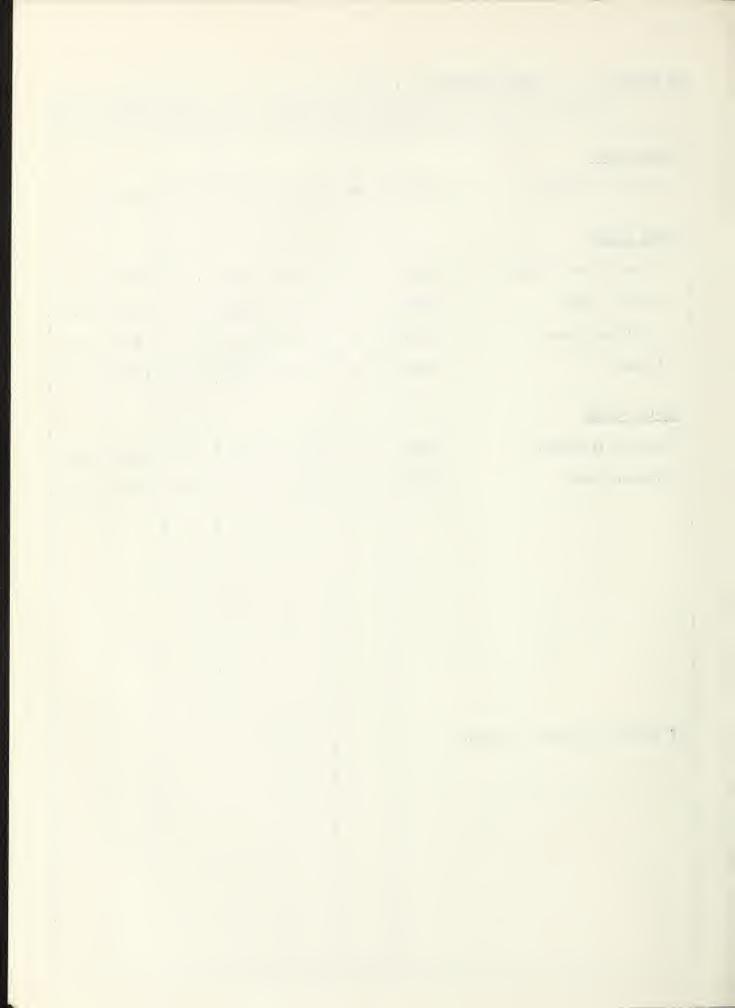


PRECIPITATION (Inches) ABOUT FEBRUARY 1, 1971

PRECIPITATION (Inches) ABOUT FEBRUARY 1, 1971									
DRAINAGE BASIN and	ELEVATION	CUR Date of	RENT INFORMA	+	FROM AF	PROX. NOV. I	TO DATE Percent of		
PRECIPITATION GAGE LOCATION	ELEVATION	Reading	Precipitation	Average +	This Year	Average +	Average		
GILA RIVER									
Silver Creek Divide Hannagan Meadows	9000	1/31 1/29	.85 1.30	2 67*	2.90	7.90*	38		
SALT RIVER									
Canyon Point Hannagan Meadows Little Wildcat	7600 9030	1/31 1/29	1.55	2.67*	7.59 3.01	 7.90*	38		
(Heber Snow Course) Maverick Fork Workman Creek **	7600 9050 6970	1/31 1/29 1/26	1.60 1.28 1.30	3.54* 2.59* 4.29		9.07* 7.6 9 * 11.04	61 53 57		
Wilson Lake VERDE RIVER	9100	1/29	1.13		3.85				
Baker Butte	7300	1/31	.75		5.74				
Copper Basin Divide Fort Valley ** Happy Jack **	6720 7350 7480	2/1 2/1 1/29	.73	1.95 2.60*	4.13 3.57 4.39	5.60	64		
Mingus Mountain Mormon Mountain	7660 7500	1/31 2/1	.27	2.00	3.82 7.74	6.72* 5.72	65 67		
LITTLE COLORADO									
Inner Basin #1 Inner Basin #2 Sheep Crossing	9830 10050	2/2 2/2	.65 .75		6.90 8.75				
(Baldy Snow Course) Little Wildcat	9125	1/29	1.20	2.93*	3.45	7.43*	46		
(Heber Snow Course)	7600	1/31	1.60	3.54*	5.49	9.07*	61		
+ 1953-67 Average									
* Adjusted Average						i			
** Data Supplied by U.S. Forest Service									
			· 12 -						



DRAINAGE BASIN and/or STATION		Profil	e (Inches)	Date of	Soil Moisture (Inches)		
Name	Elevation	Depth	Capacity	Survey	This Year	Last Year	Average
GILA RIVER							;
Frisco Divide	8000	48	13.3	2/1	6.0	8.8	10.0
		10	10.0	27 1	0.0	0.0	10.0
SALT RIVER							
THE TOTAL OF THE TAXABLE PROPERTY.							
Black River Divide	9100	48	16.8	1/29	17.7	17.8	15.4
Canyon Creek	7500	48	18.3	1/31	17.8	17.0	75 7
				1/31	17.0	17,0	15.1
Corduroy Creek	6000	36	13.5	2/1	9.0	9.5	8.1
McNary	7200	48	16.3	1/29	15.2	13.8	14,6
				1/23	15.2	10.0	1-1,0
ERDE RIVER							
Mormon Mountain	7500	48	16.1	2/1	14.8	14.5	14.9
Newman Park	6750	48	17.7	2/1	18.2	11.9	14.7
							1
							/
1953-67 15-year average							
		3.6					
		-13 -					



Baker Butte

Baldy

Bear Wallow

Beaver Head

Bill Williams Summit

Bright Angel

Camp Wood

Canyon Creek

Canyon Point

Chalender

Cheese Springs

Copper Basin Divide

Coronado Trail

Crazy Horse

Emory Pass #1 and #2

Forest Dale

Ft. Apache

Fort Valley Frisco Divide

Gaddes Canyon

Grand Canyon Hannagan Meadows

Happy Jack

Hawley Lake

Heber

High Peak

Hummingbird

Inner Basin #1, #2, #3

Iron Springs Maverick Fork

McKnight Cabin

McNary

Milk Ranch

Mingus Mountain

Mogollon

Mormon Lake

Mormon Mountain

Mt. Ord

Newman Park

Nutrioso

Redstone Trail

Rose Canyon

Silver Creek Divide

Smith Cienega

Snow Bowl #1 and #2

State Line

White Horse Lake Junction

White Spar

Whitewater

Williams Ski Run

Wilson Lake

Workman Creek

SCS - Dick Enz

SCS - Bill Cole

Forest Service - Carl Sollers

N. A. Josh

Bill Williams Intermediate Forest Service - John Sotelo

Forest Service - John Sotelo

National Park Service - Kenneth Hulick, Dist. Rgr.

Forest Service - Walter G. Richardson

SCS - Dick Enz SCS - Dick Enz

Forest Service - M. Freshour

SCS - Bill Cole

SCS - Bill Gray

Forest Service - John O. Maeder Forest Service - Loyd Barnett

SCS - Jim Powell and Travis Stevenson

Bureau of Indian Affairs - Raymond Endfield

SCS - Bill Cole

Rocky Mtn. Forest & Range Exp. Station

Forest Service - J. M. Sanchez

Paul G. Lidbeck

National Park Service - David A. Strope, Dist. Rgr.

N. A. Josh

Forest Service - Warren Harris

Bureau of Indian Affairs - Raymond Endfield

SCS - Dick Enz

Forest Service - Loyd Barnett

Ray Freeman

SCS and USBR - Jack Jorgensen and Jay Roberts

SCS - Bill Gray SCS - Bill Cole

Ray Freeman

Bureau of Indian Affairs - Raymond Endfield Bureau of Indian Affairs - Raymond Endfield

Paul G. Lidbeck

James Lyon

SCS - Jack Jorgensen SCS - Jack Jorgensen

Salt River Project - Bill Warskow

SCS - Jack Jorgensen

Forest Service - John O. Maeder

James Lyon

Forest Service - Carl Sollers

James Lyon

Salt River Project - Bill Warskow

Forest Service - Ky Porter Forest Service - J. M. Sanchez Forest Service - John Sotelo

SCS - Bill Gray Ray Freeman

Forest Service - John Sotelo

SCS - Bill Cole

Rocky Mtn. Forest & Range Exp. Station



The Following Organizations Cooperate in the Arizona Snow Survey Work

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Department of Agriculture

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National Park Service
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Gila Water Commissioner Saffard, Arizana

STATE

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IRRIGATION PROJECTS

Salt River Valley Water Users' Association Phaenix, Arizana

San Carlas Irrigatian and Drainage District Caalidge, Arizona

PRIVATE

Sauthwest Farest Industries, Inc. McNary, Arizona

Other arganizations and individuals furnish valuable infarmation far the snow survey reparts. Their caaperatian is gratefully acknowledged.

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OFFICIAL BUSINESS



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